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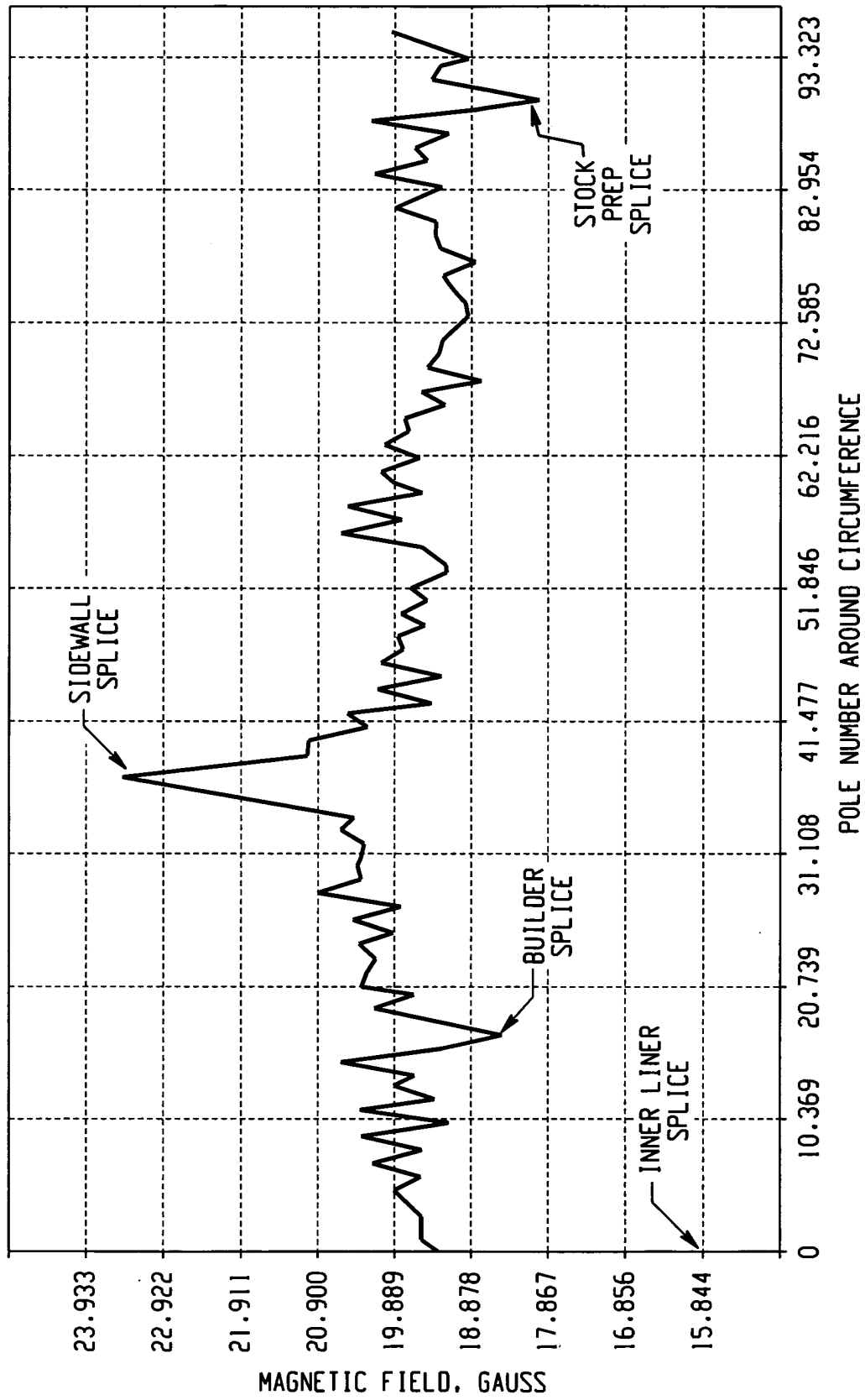


Fig. 1

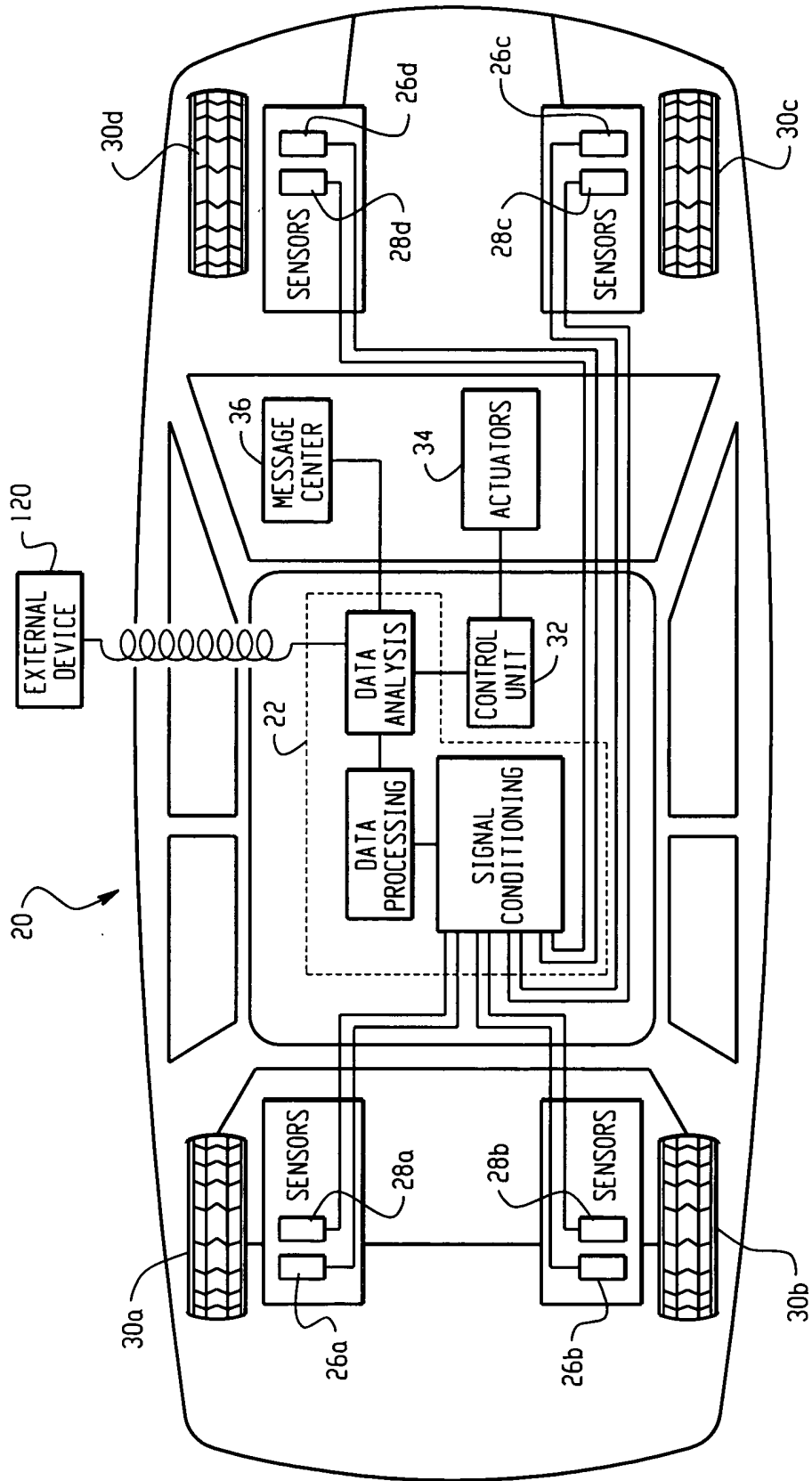
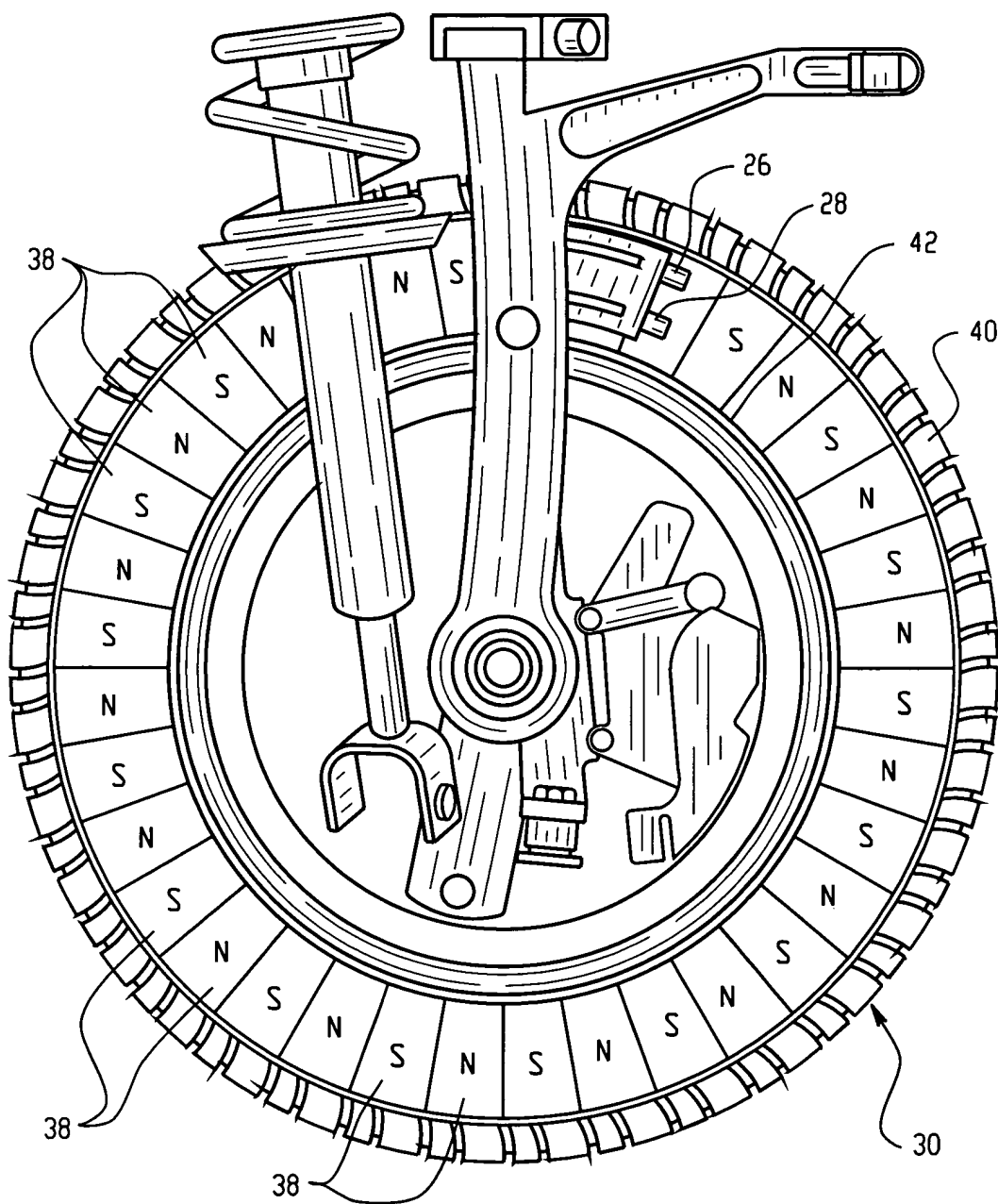


Fig. 2

*Fig. 3*

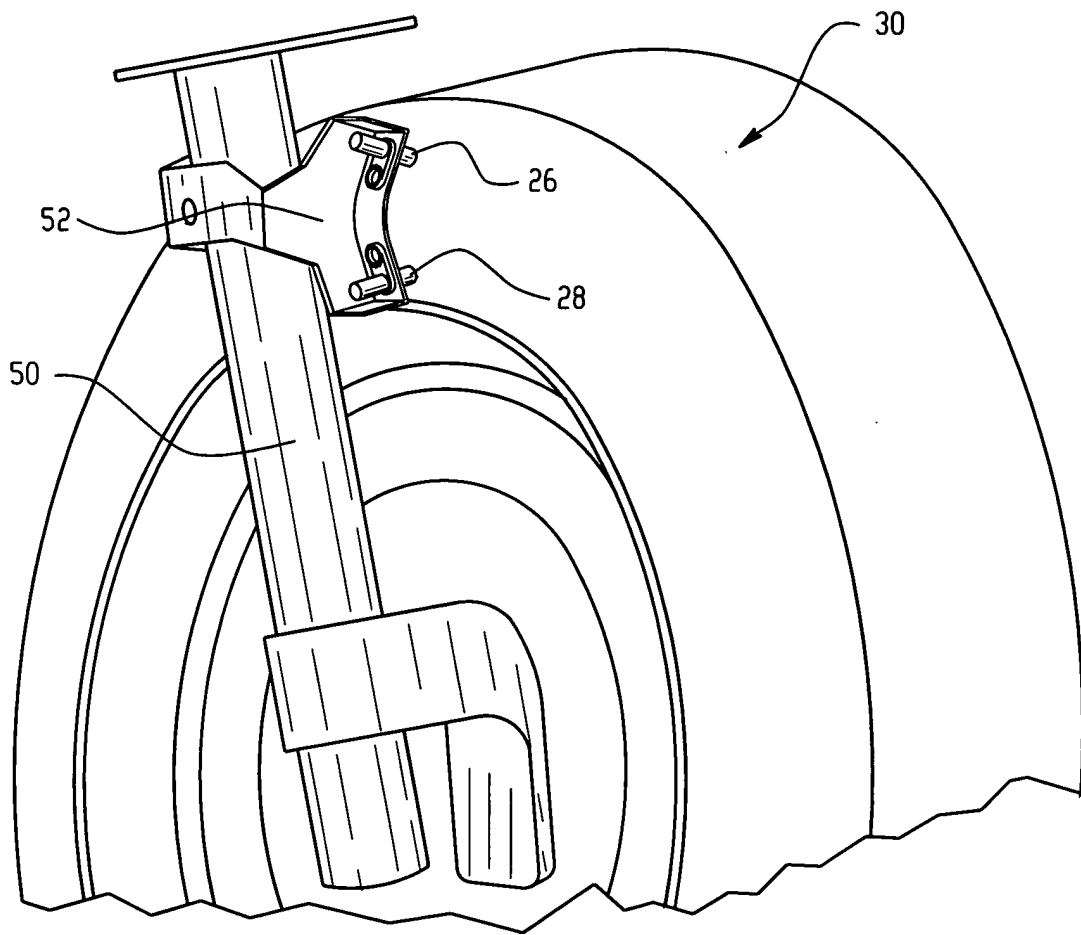


Fig. 4

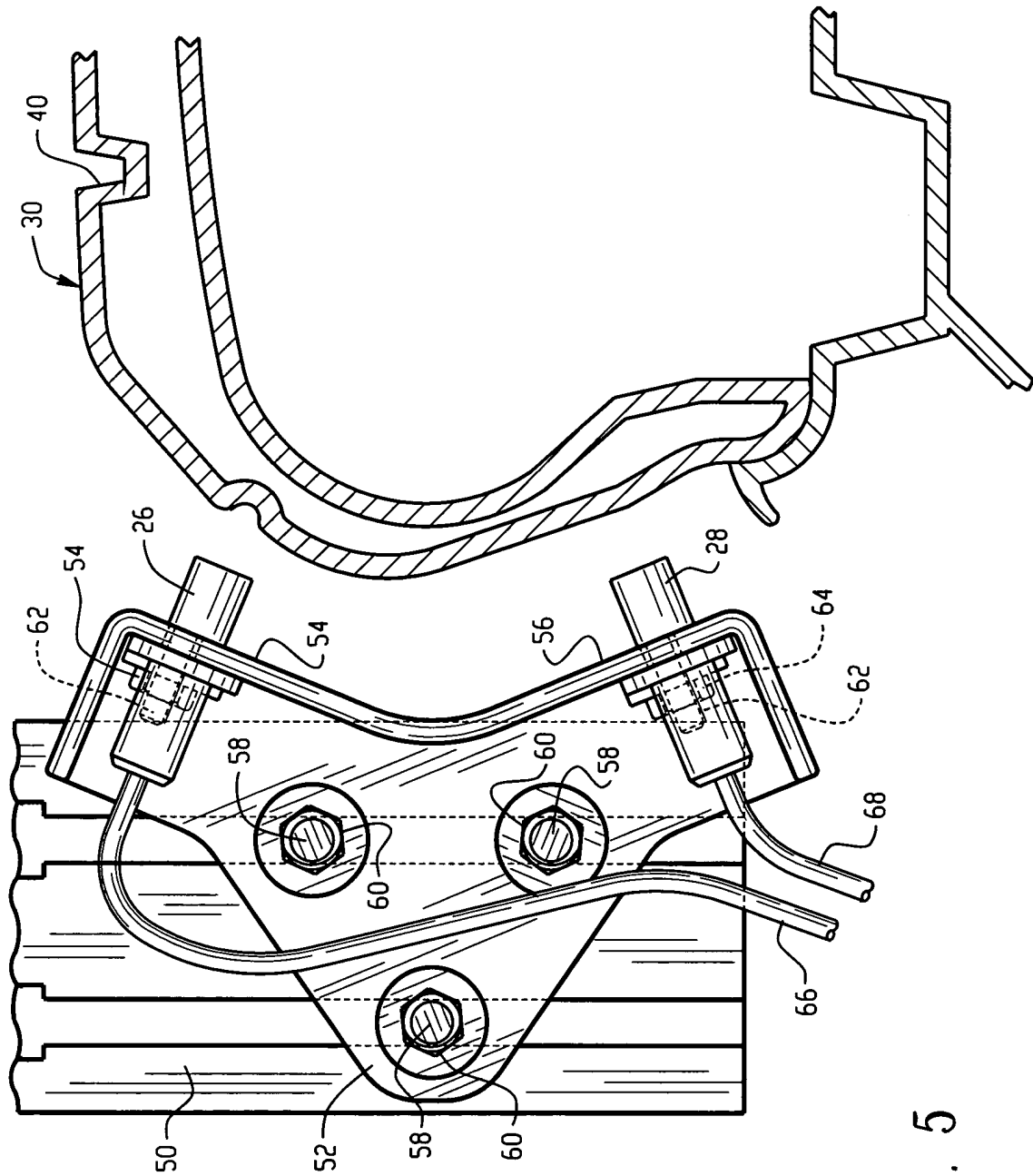


Fig. 5

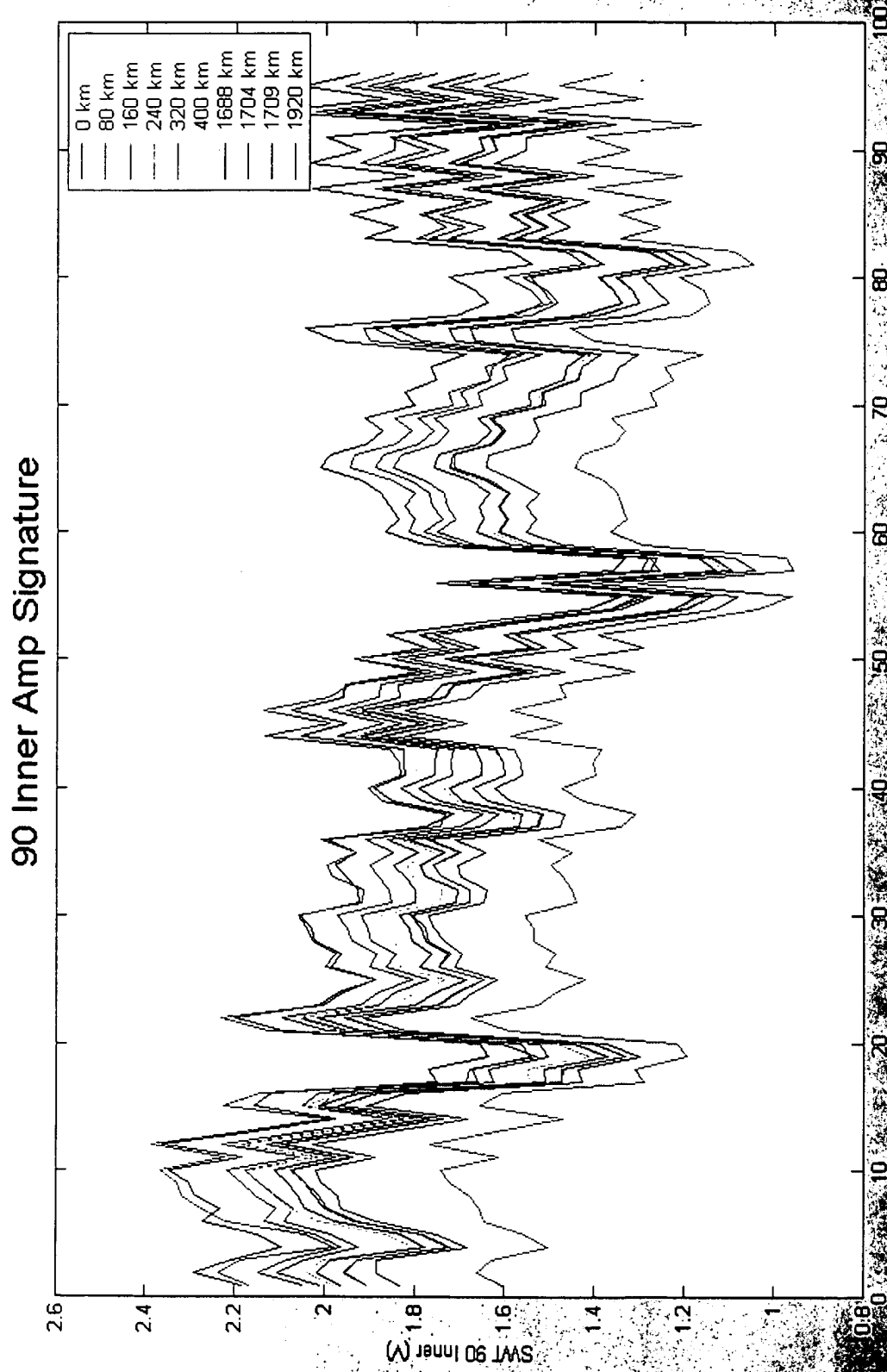


Fig. 6

90 Outer Amp Signature

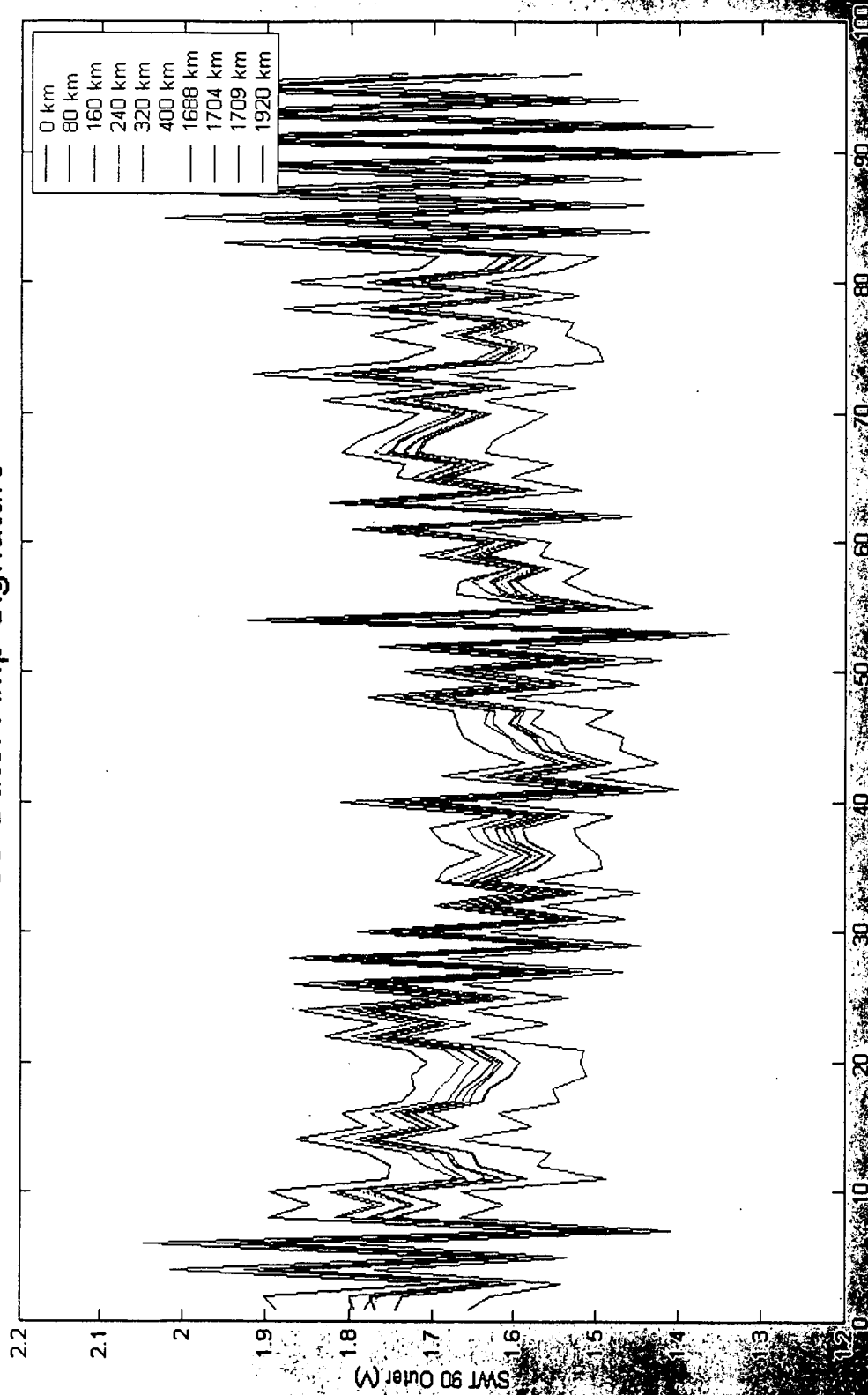


Fig. 7

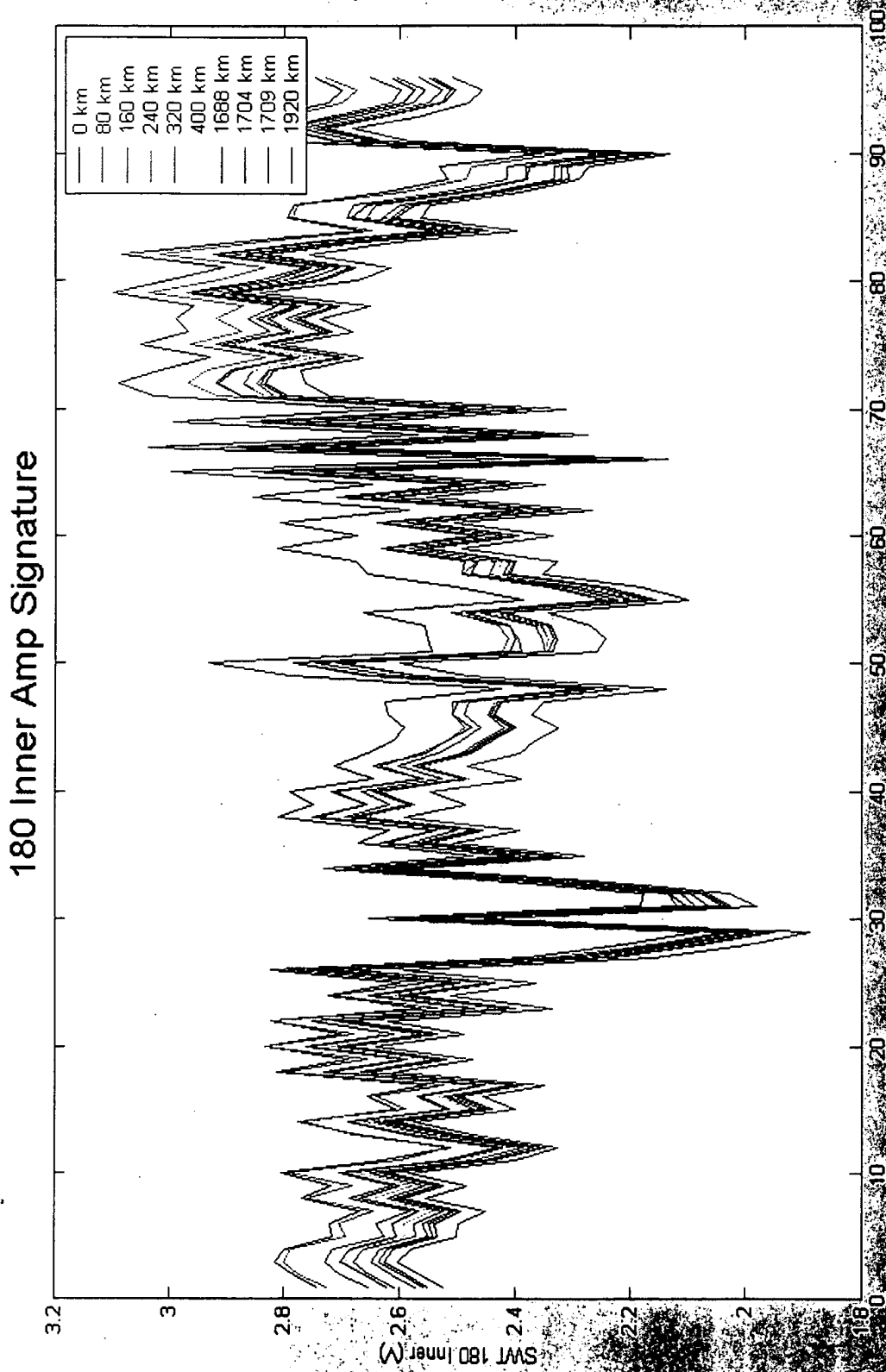


Fig. 8

180 Outer Amp Signature

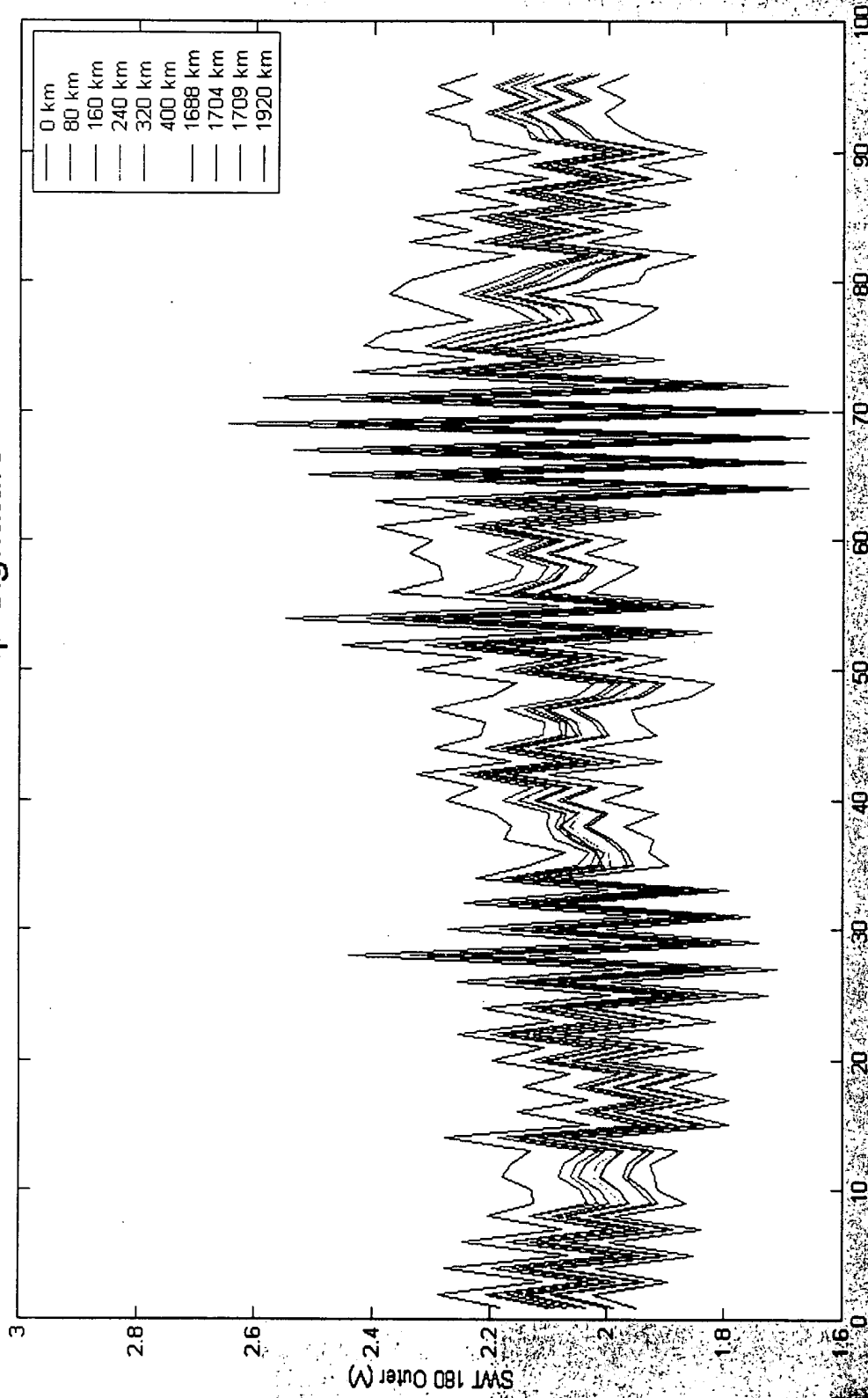


Fig. 9

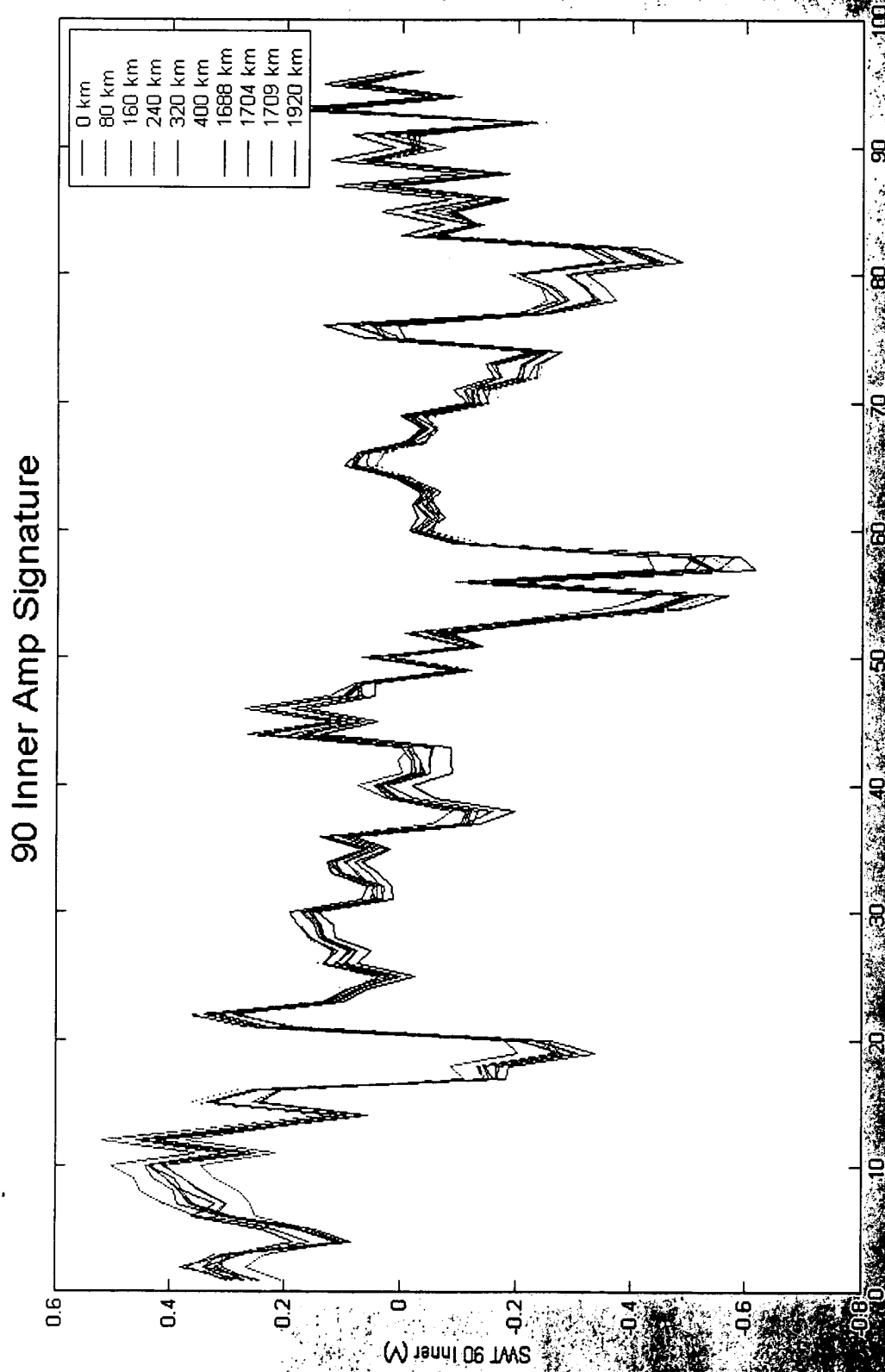


Fig. 10

90 Outer Amp Signature

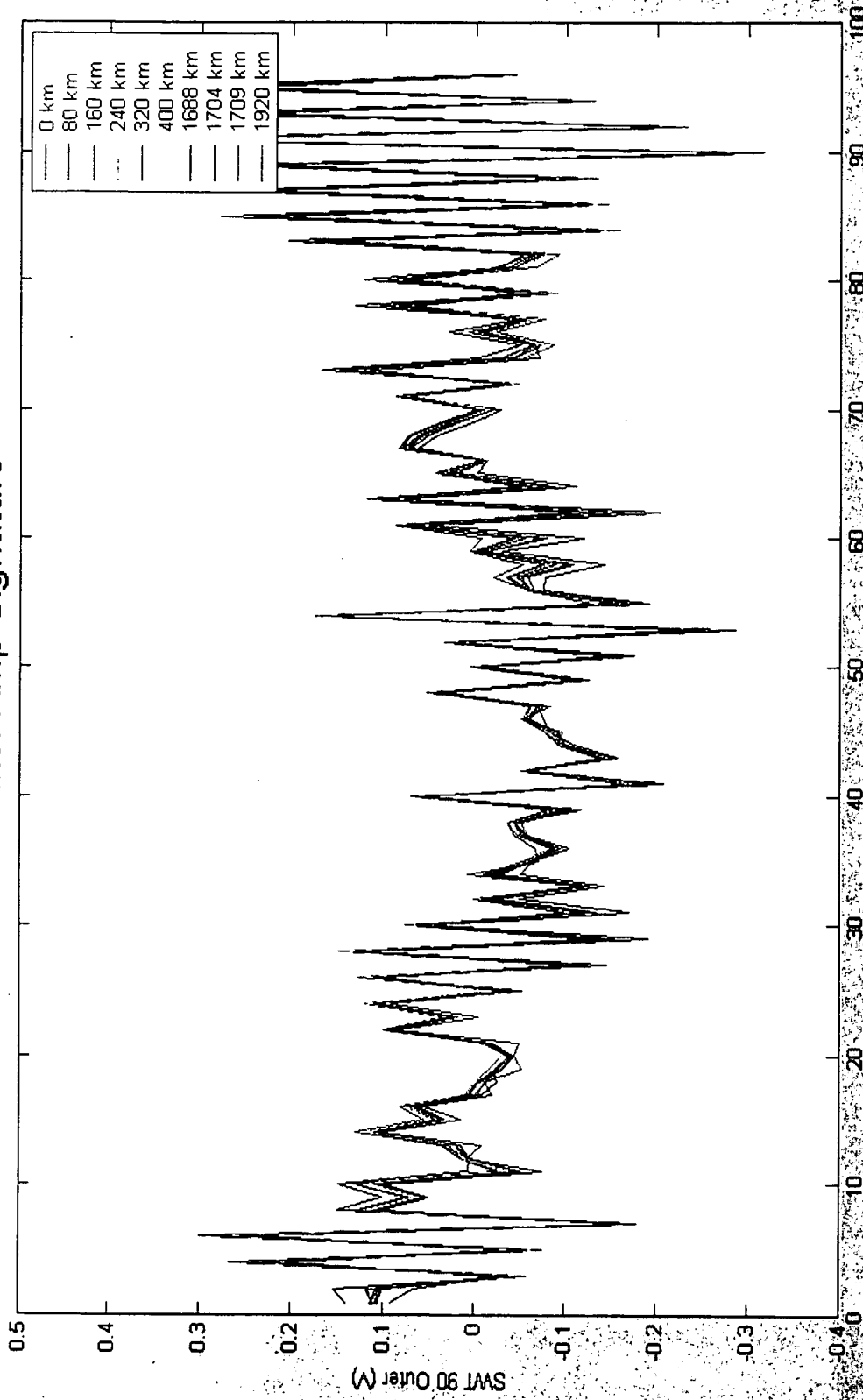


Fig. 11

180 Inner Amp Signature

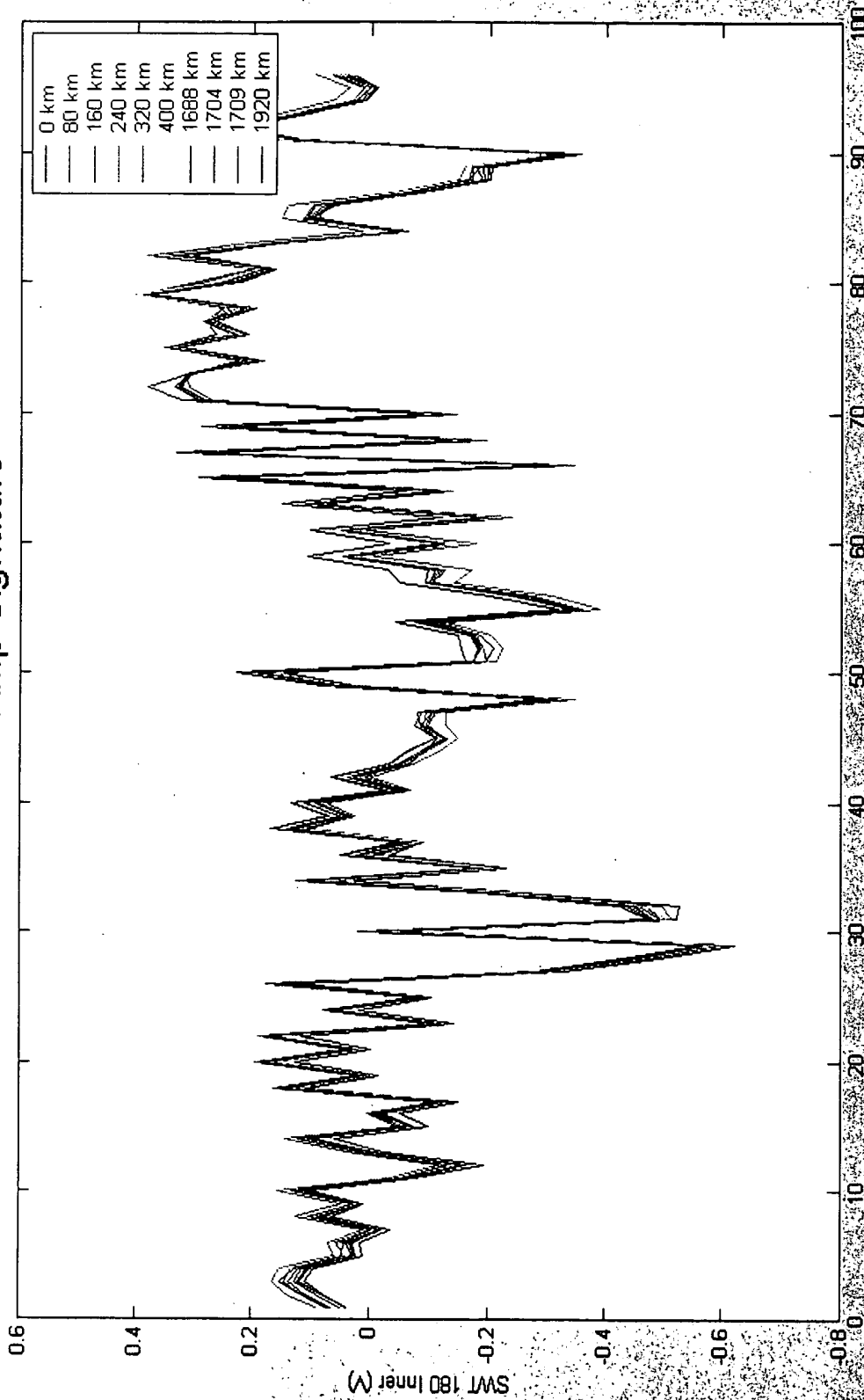


Fig. 12

180 Outer Amp Signature

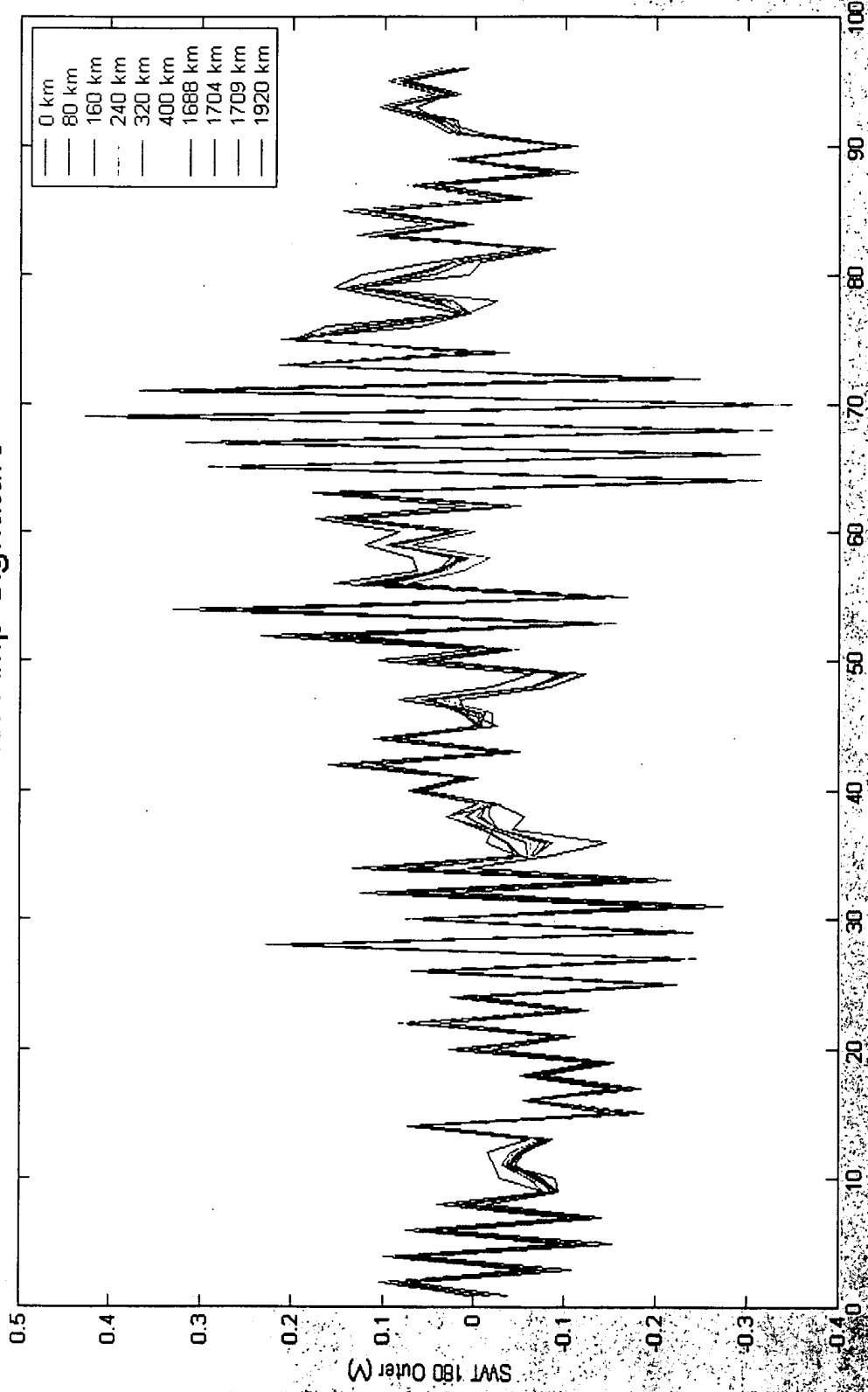
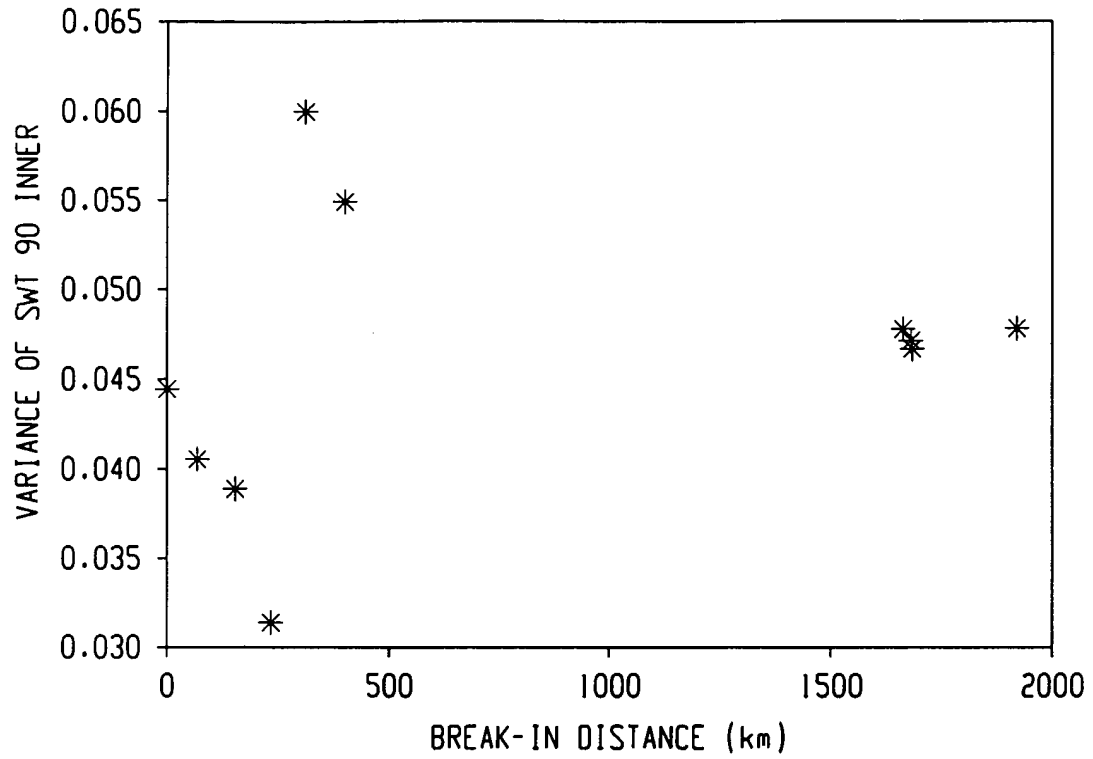
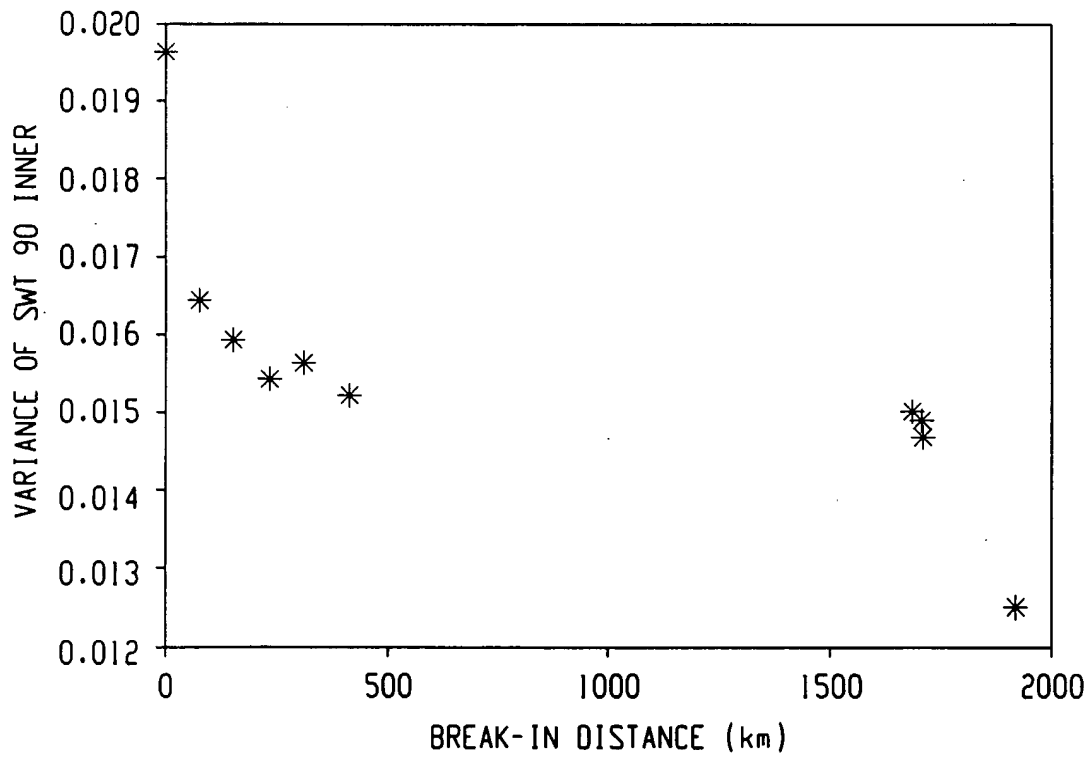
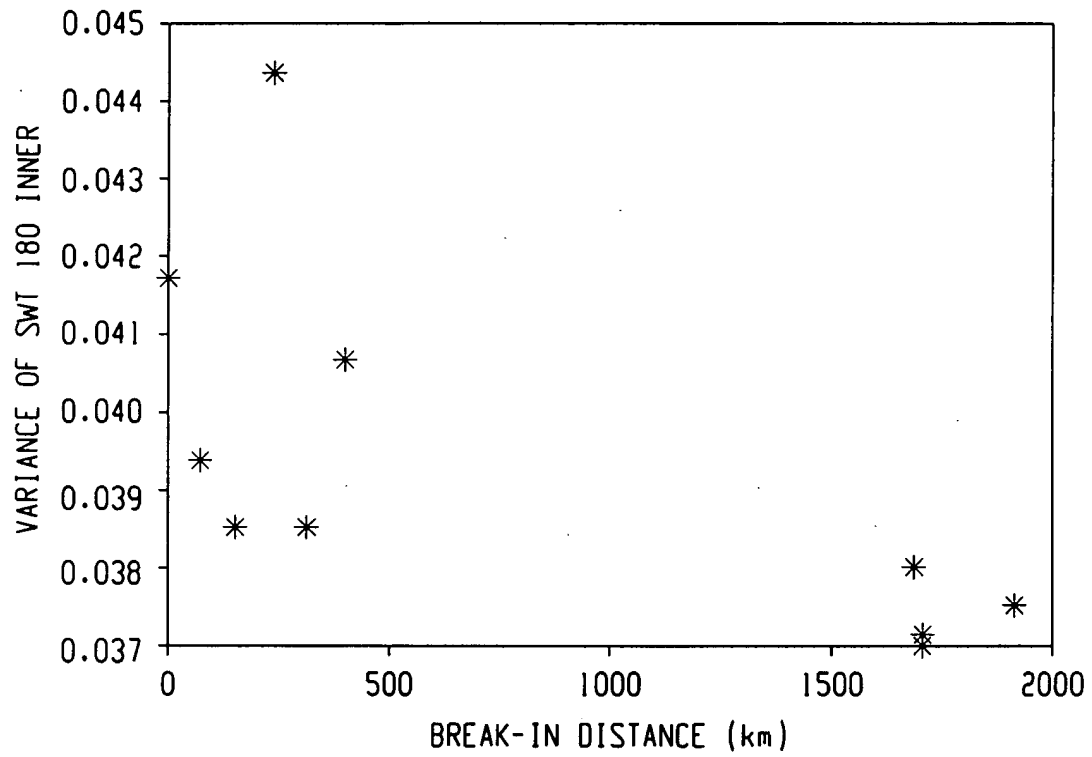
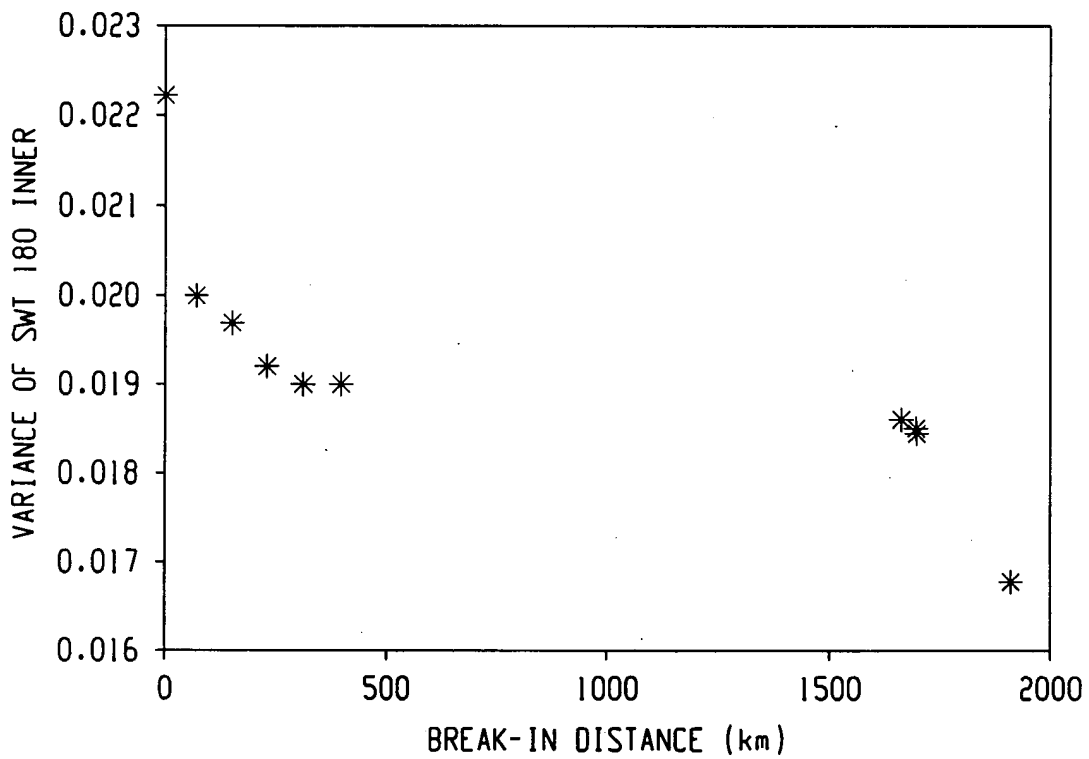


Fig. 13

*Fig. 14**Fig. 15*

*Fig. 16**Fig. 17*

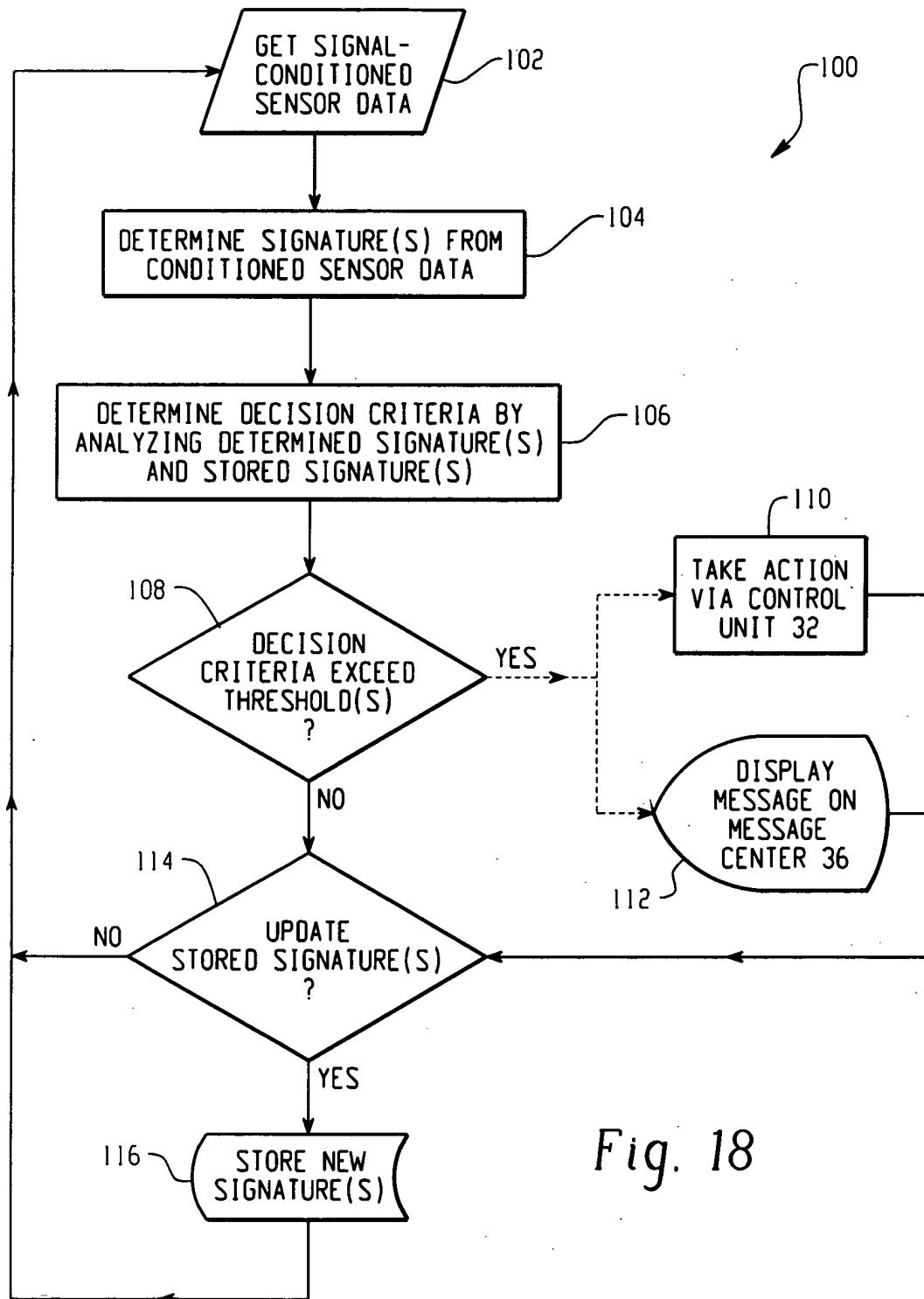


Fig. 18

Tire Status Detection System

Akron C-Machine

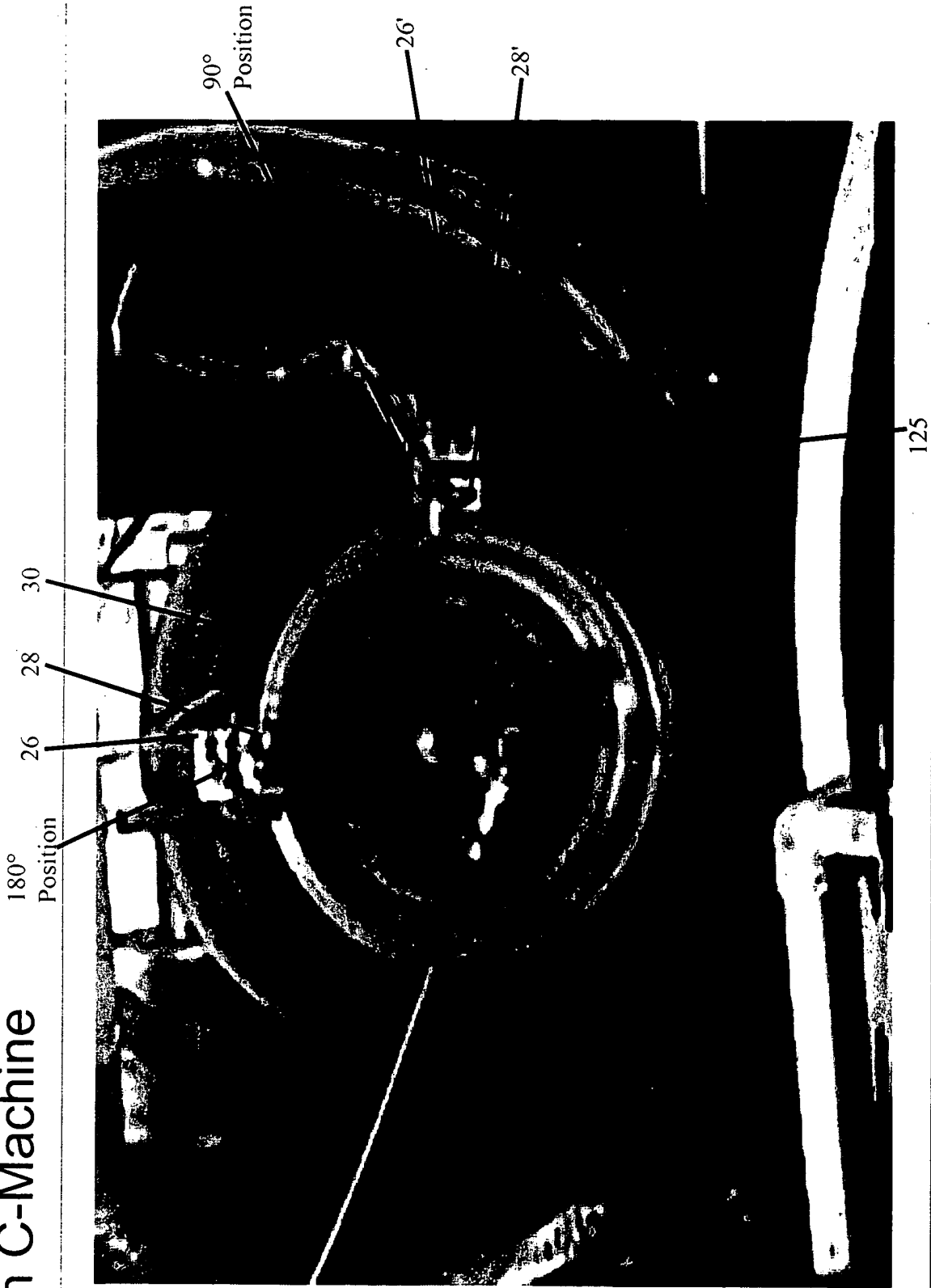


Fig. 19

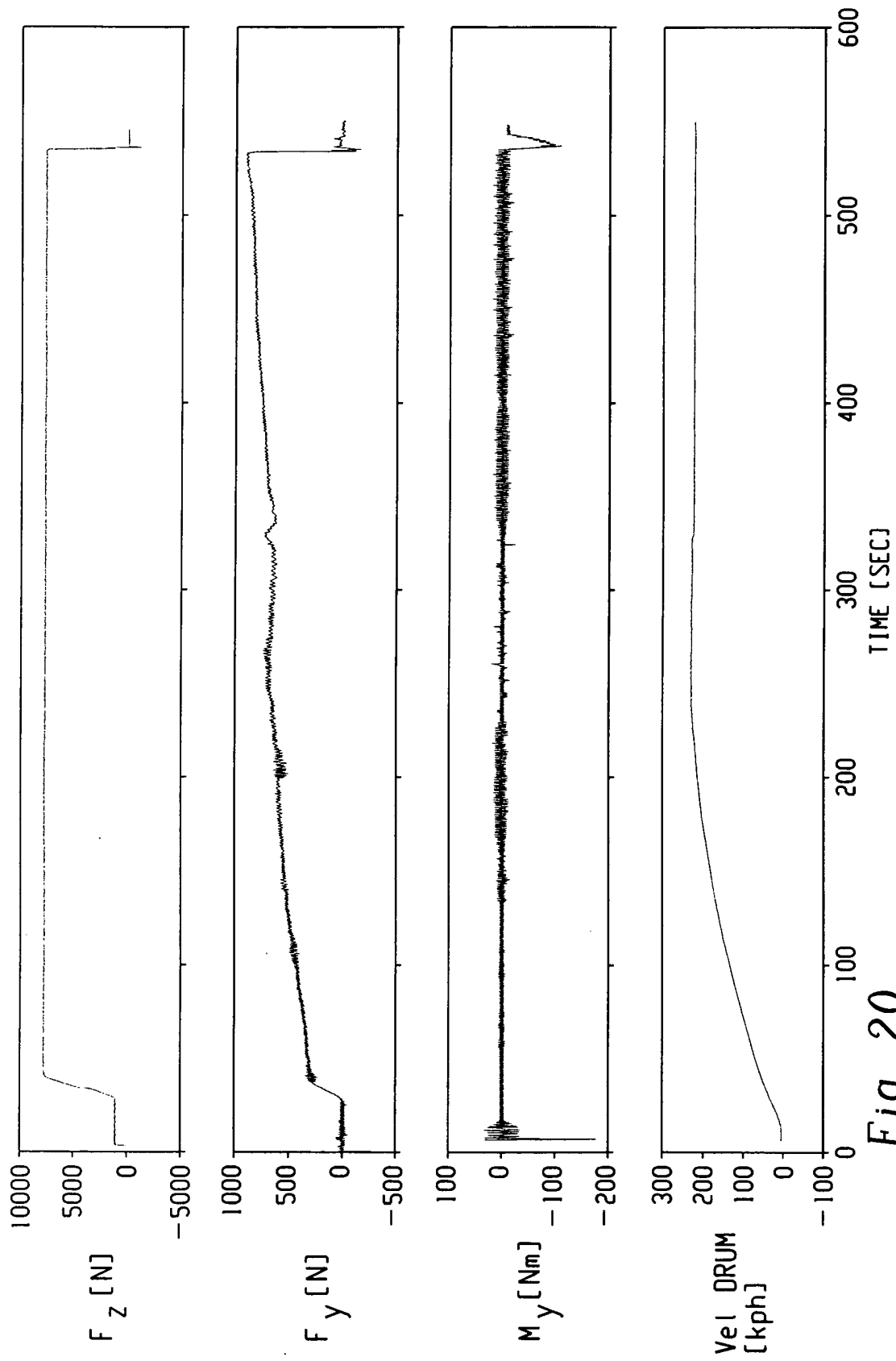


Fig. 20

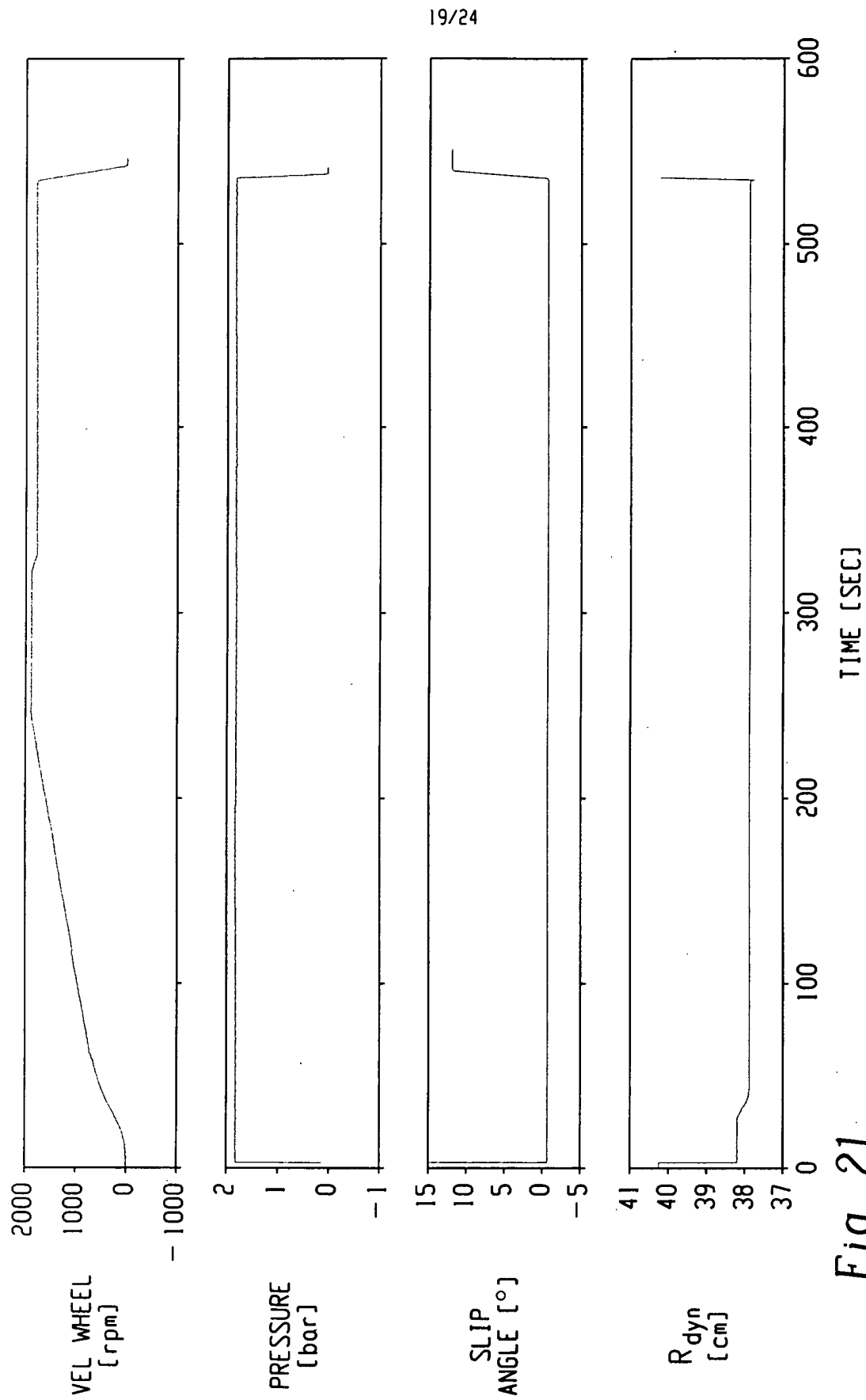


Fig. 21

Tire Status Detection System

Carcass Rupture, Amplitude Signature Inner Sensor



Fig. 22

Tire Status Detection System

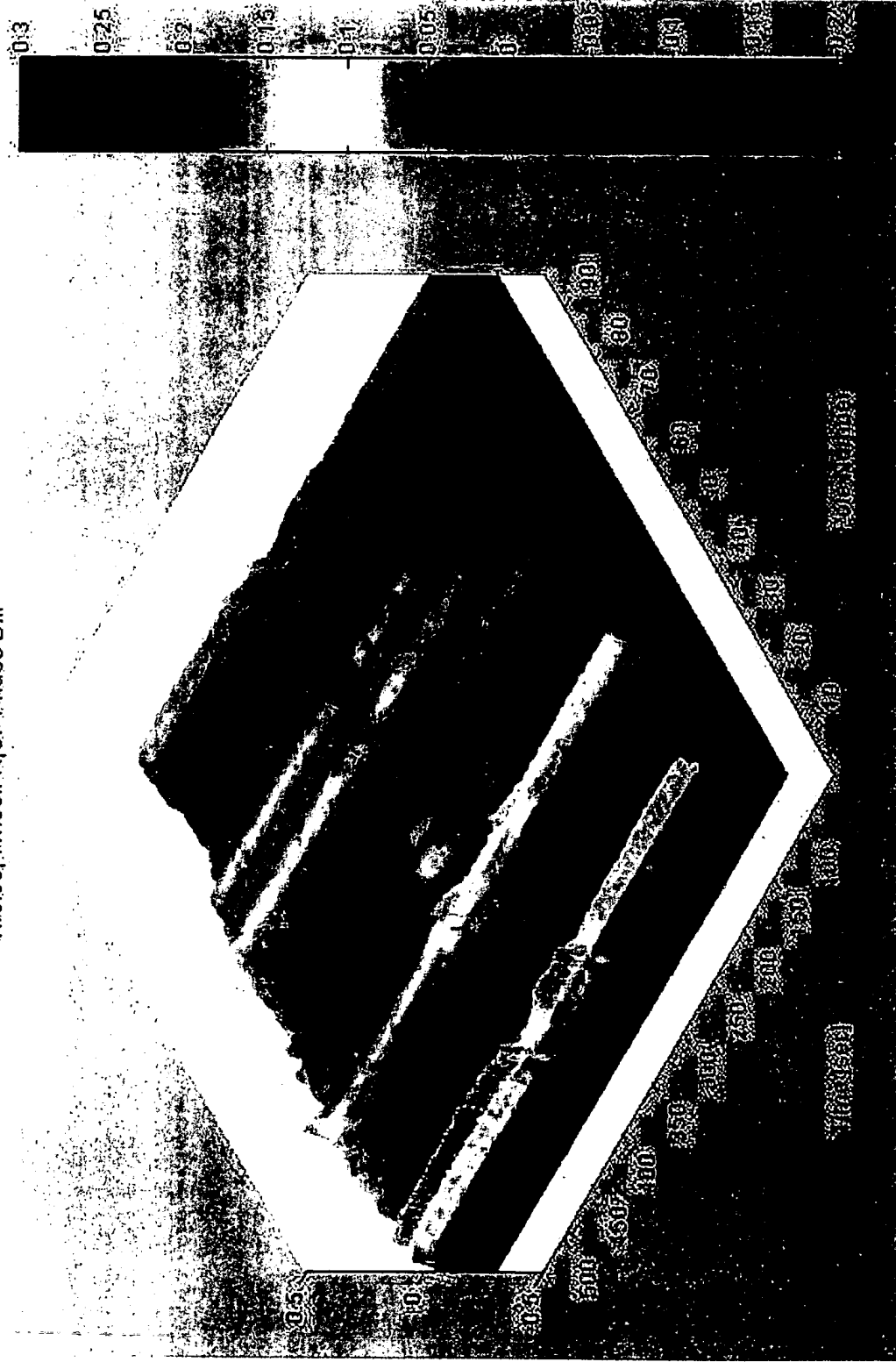
Carcass Rupture, Amplitude Signature Outer Sensor



Fig. 23

Tire Status Detection System Carcass Rupture, Phase Signature

Tire 63, WheelFR, CF Phase Diff



Tire 63

Fig. 24

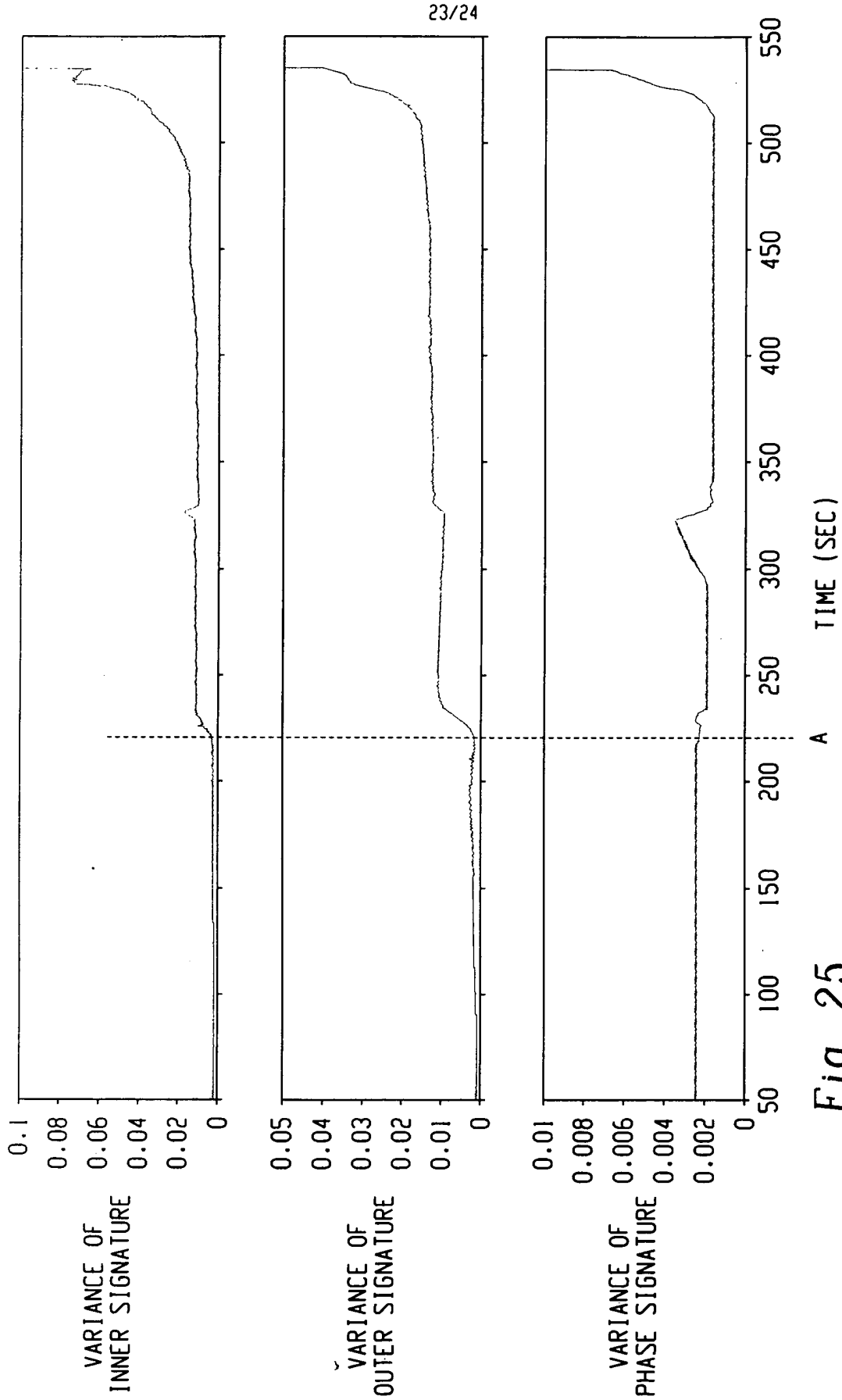


Fig. 25

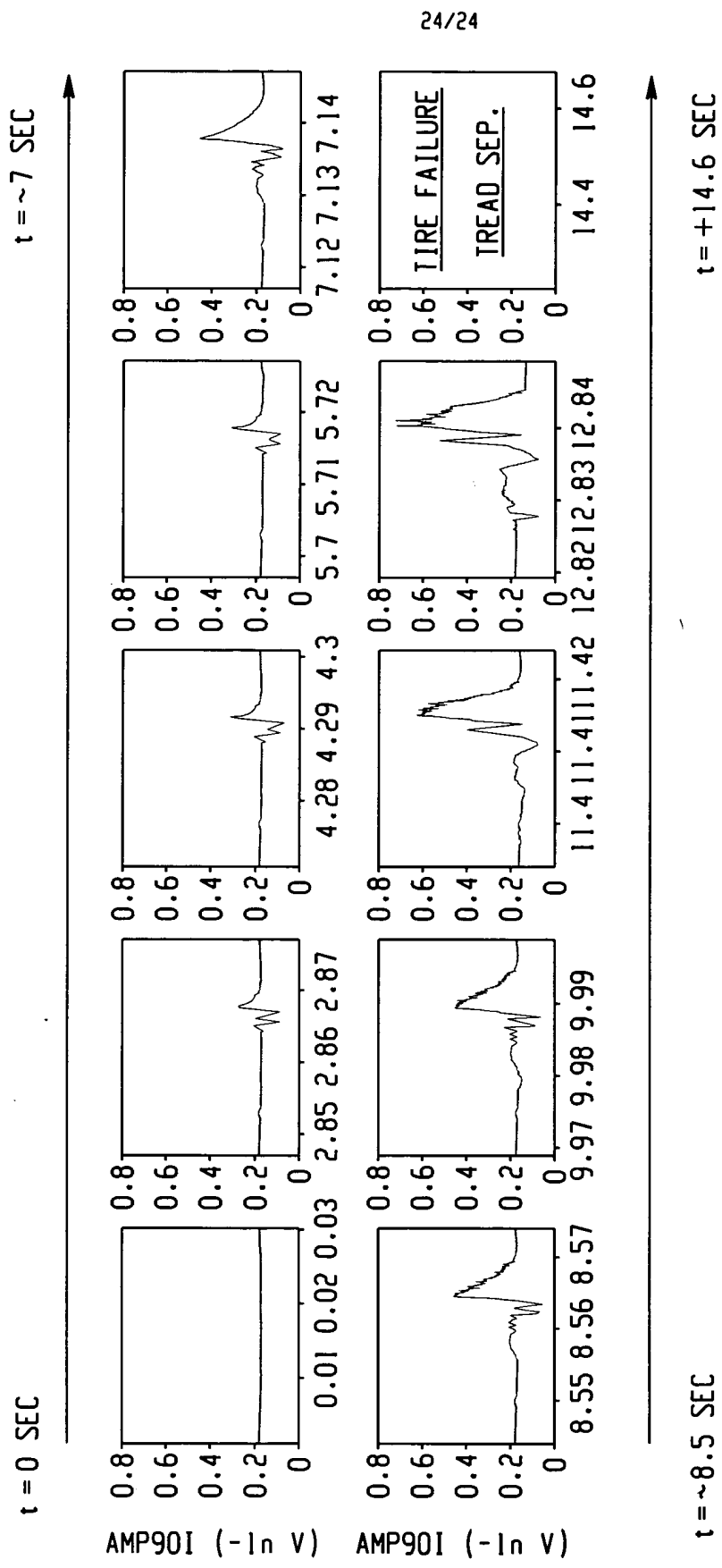


Fig. 26